CONDUCTING POLYMER NANOFIBERS Inventors: Bruce H. Weiller, et al. Serial No.: 10/735,078 Filed: 12/11/2003 D-502

Sheet 1 of 6 Replacement Sheet

DOPED POLYANILINE EMERALDINE SALT (σ = 10 S/cm)

FIG. 1A

DEDOPED POLYANILINE EMERALDINE BASE ($\sigma = 1 \text{ X } 10^{-10} \text{ S/cm}$)

FIG. 1B